

## CHST3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CHST3.

Catalog # AT1531a

### Specification

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#### CHST3 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	<a href="#">O7LGC8</a>
Other Accession	<a href="#">NM_004273</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	54706

#### CHST3 Antibody (monoclonal) (M01) - Additional Information

Gene ID 9469

##### Other Names

Carbohydrate sulfotransferase 3, Chondroitin 6-O-sulfotransferase 1, C6ST-1, Chondroitin 6-sulfotransferase, Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 0, GST-0, CHST3

##### Target/Specificity

CHST3 (NP\_004264, 312 a.a. ~ 411 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### Dilution

WB~~1:500~1000

##### Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

##### Precautions

CHST3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

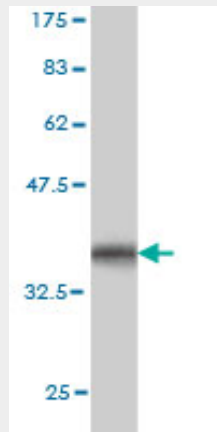
#### CHST3 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

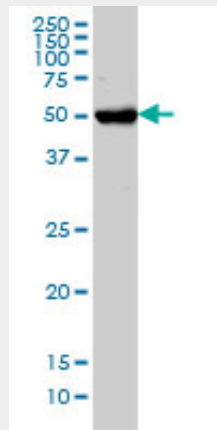
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

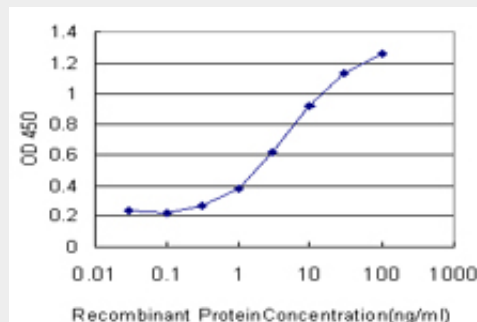
### CHST3 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



CHST3 monoclonal antibody (M01), clone 1C4 Western Blot analysis of CHST3 expression in Hela S3 NE ( (Cat # AT1531a )



Detection limit for recombinant GST tagged CHST3 is approximately 0.3ng/ml as a capture antibody.

### **CHST3 Antibody (monoclonal) (M01) - Background**

This gene encodes an enzyme which catalyzes the sulfation of chondroitin, a proteoglycan found in the extracellular matrix and most cells which is involved in cell migration and differentiation. Mutations in this gene are associated with spondylepiphyseal dysplasia and humerospinal dysostosis.

### **CHST3 Antibody (monoclonal) (M01) - References**

Association study between single-nucleotide polymorphisms in 199 drug-related genes and commonly measured quantitative traits of 752 healthy Japanese subjects. Saito A, et al. *J Hum Genet*, 2009 Jun. PMID 19343046. Omani-type spondyloepiphyseal dysplasia with cardiac involvement caused by a missense mutation in CHST3. Tuysuz B, et al. *Clin Genet*, 2009 Apr. PMID 19320654. Sulfation of the galactose residues in the glycosaminoglycan-protein linkage region by recombinant human chondroitin 6-O-sulfotransferase-1. Kitagawa H, et al. *J Biol Chem*, 2008 Oct 10. PMID 18697746. Congenital joint dislocations caused by carbohydrate sulfotransferase 3 deficiency in recessive Larsen syndrome and humero-spinal dysostosis. Hermanns P, et al. *Am J Hum Genet*, 2008 Jun. PMID 18513679. Genome-wide analysis identifies 16q deletion associated with survival, molecular subtypes, mRNA expression, and germline haplotypes in breast cancer patients. Nordgard SH, et al. *Genes Chromosomes Cancer*, 2008 Aug. PMID 18398821.